

# REMOVAL OF PERMANGANATE REDUCING COMPOUNDS FROM METHANOL CARBONYLATION PROCESS STREAM

## Abstract

An improvement of the methanol carbonylation process for manufacturing acetic acid is disclosed. Specifically disclosed is a method for removing permanganate reducing compounds ("PRC's") from the condensed light ends overhead stream, including (a) distilling at least a portion of the condensed light ends overhead to yield a PRC enriched second overhead stream; (b) extracting the second overhead stream with water and separating therefrom an aqueous stream containing PRC's; and (c) returning at least a portion of the extracted second overhead to the second distiller.